

ABSTRACT OF THE DISCLOSURE

A purpose of the present invention is to provide an Fe-Ni-Co alloy having high strength and a low coefficient of thermal expansion, along with excellent magnetic properties.

The present invention provides an Fe-Ni-Co alloy thin strip for shadow masks having high strength and a low coefficient of thermal expansion, along with excellent magnetic properties, including, on a mass basis, 30 to 35% Ni, 2 to 6% Co, 0.1 to 0.4% Nb, 0.2 to 0.5% Mn, and the rest Fe and unavoidable impurities, wherein the unavoidable impurities includes 0.005% or less C, 0.002% or less S and 0.005% or less N and the grain size before etching through said strip is 7.0 to 10.0 in terms of grain size number stipulated in JIS G 0551.